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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/902,173	07/09/2001	Liat Ben-Zur	000161	8798

23696 7590 10/06/2005

Qualcomm, NC
5775 Morehouse Drive
San Diego, CA 92121

EXAMINER

JUNG, DAVID YIUK

ART UNIT	PAPER NUMBER
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2134

DATE MAILED: 10/06/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/902,173	Applicant(s) BEN-ZUR ET AL.	
	Examiner David Y. Jung	Art Unit 2134	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 June 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-41 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-41 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 01 July 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>10/02</u> . | 6) <input type="checkbox"/> Other: _____ |

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DETAILED ACTION

CLAIMS PRESENTED

Claims 1-41 are presented.

CLAIM REJECTIONS

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-41 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gammie et al. (US 5237610, cited by Applicant).

Regarding claim 1, Gammie teaches "A decryption system comprising:

a decryption unit for decrypting encrypted program signals using a program decryption key; a receiver for receiving signals including encrypted data defining the program decryption key; a security processor; and an ... providing a first path for transferring the encrypted data from the receiver to the security processor and providing a second path, separate and independent of the first path, for transferring data from the security processor to the decryption unit (figure 7, the two ssn databases providing two separate paths through two separate encryptors into MUX);

and wherein the security processor is configured to decrypt the encrypted data using a program key so as to extract the program decryption key from the encrypted data, and to output the program decryption key for transfer through the second path of the interface to the decryption unit (figure 7, the decoder unit).”

See also column 3; column 6, lines 19-54; column 7, lines 43-56; column 7, lines 67-68; column 8, lines 1-14; column 9, lines 30-40; column 14, lines 62-68.

These passages of Gammie do not teach “interface” in the sense of the claim.

Nevertheless, it was well known in the art to have a “interface” situation among multiple components handling data for the motivation of having easier control (especially modular control).

Hence, it would have been obvious to those of ordinary skill in the art at the time of the claimed invention to modify Gammie for the motivation noted in the previous paragraphs so as to teach the claimed invention.

Regarding claim 2 (video/audio, etc.), such particular features are well known in the art for the purpose of sending information (e.g., at column 2 lines 9-65 which mentions some examples).

Regarding claim 3 (removable security), such particular features are well known in the art for the purpose of greater security (e.g., column 6, lines 1-64). Regarding claims 4-11, such particular features are well known in the art for the purpose of security.

Regarding claim 12, Gammie teaches “An apparatus for decrypting encrypted program signals, the apparatus comprising: receiving means for receiving encrypted key

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signals containing data defining a working decryption key; means for transferring the encrypted key signals via a first interface; first means, connected to the first ..., for decrypting the encrypted key a program key in a decryption algorithm, to determine the working signals, using decryption key; means for transferring the working decryption key via a second ..., different and operationally separate from the first ...; and second means, connected to the second ..., for decrypting the encrypted program signals using the working decryption key (figure 7, the two ssn databases providing two separate paths through two separate encryptors into MUX), and wherein the decryption algorithm is supplied together with the program decryption key via the receiving means (column 6, lines 1-64, i.e. removable unit) and is downloaded therefrom to the first means for decrypting (figure 7, the decoder unit)."

Regarding claim 13 (video/audio, etc.), such particular features are well known in the art for the purpose of sending information (e.g., at column 2 lines 9-65 which mentions some examples).

Regarding claim 14 (removable security), such particular features are well known in the art for the purpose of greater security (e.g., column 6, lines 1-64). Regarding claims 15-41, such particular features are well known in the art for the purpose of security.

Conclusion

The art made of record and not relied upon is considered pertinent to applicant's disclosure. The art disclosed general background.

Points of Contact

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

or faxed to:

(571) 273-8300, (for formal communications intended for entry)

Or:

(571) 273-3836 (for informal or draft communications, please label "PROPOSED" or "DRAFT")

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David Jung whose telephone number is (571) 272-3836 or Greg Morse whose telephone number is (571) 272-3838.

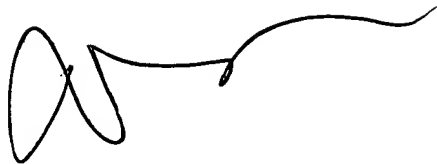
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David Jung

Patent Examiner

10/2/05

A handwritten signature in black ink, consisting of a large, stylized 'D' followed by a series of loops and a long, sweeping horizontal stroke that ends in a small upward flick.